



Early Warning Equipment

Description: Early warning equipment provides enhanced capability for grenade launched smoke systems. Used in conjunction with current launcher hardware, early warning equipment is designed to automatically determine when the host vehicle is being targeted and discriminate the direction of the threat source. Additional features include an automatic response (i.e., launch of smoke grenades in the direction of detected threats) and identification of a laser range finder versus laser designator.



Background: Early warning equipment was developed to demonstrate smoke system electronic compatibility with warning devices (i.e., laser warning receivers).

Characteristics:

- Standardized design for mounting on any family of light vehicles
- Lightweight, low-cost warning detector
- Utilizes commercially-available component hardware
- Signal discrimination in 90 degree increments (front, back, right, left)
- Display unit that provides visual and aural warning signal
- Discrimination/identification of range finder versus target designator
- Automatic response Capability



Status: Early warning equipment was successfully prototyped and demonstrated in FY 97. Development and production of early warning equipment is technically feasible through the application of horizontal technology transfer, but the program is currently unfunded.



For additional information, please contact Product Manager-Obscuration and Decontamination Systems, ATTN: AMSSB-PM-RNN-O, Aberdeen Proving Ground, MD 21010-5424. The Product Manager can also be contacted by E-mail (pm.ods@sbccom.apgea.army.mil) or by telephone at 410-436-2804 or DSN 584-2804.